

Georgia Flood M.A.P. Program

Flood Risk Review Meeting

Camden, Glynn, Long & McIntosh Counties

August 19
UGA Marine Extension
715 Bay
Brunswick, GA 31520

GEORGIA FLOOD M.A.P.
Mapping Assessment & Planning

Georgia Flood M.A.P. Program

Positioning State Program to align with FEMA's Risk MAP Program

Increase focus on risk assessment and planning

Continue partnerships with Federal, State, and Local Agencies

Acquire and utilize high accuracy topographic data

Deliver risk products and datasets

Enhanced Outreach Program

Outreach Guidebooks

Increased Community Engagement

Robust Website
(www.georgiadfirm.com)

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DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION

Project Status Documents Links Resources Guidance

Georgia Flood Mapping Program UCRB Project Status Am I in the Floodplain?

Georgia Floodplain Mapping Program

On August 16, 1999, the State of Georgia entered into a Cooperating Technical Partner (CTP) agreement with the Federal Emergency Management Agency's (FEMA's) Region IV. This agreement provides that the State assumes responsibility for the development and updating of the flood hazard maps (known as Flood Insurance Maps, or FIRMs) on a countywide-basis for all 159 counties in the State. Through this agreement and as part of a multi-year Flood Map Modernization effort, the State of Georgia has been provided funding by FEMA for the development of digital FIRMs (DFIRMs), as well as, for the management of the DFIRM process. The amount of funding provided to the State is determined by FEMA Region IV each fiscal year, and is a function of the success of the State's DFIRM program, the ability of the State to obtain cost-share contributions from State or local sources, and the effectiveness of the State in linking improved floodplain management with improved floodplain mapping. The State is utilizing both state staff and consulting engineering firms to perform this work. The State's progress towards its objective is monitored quarterly by FEMA.

FEMA is now transitioning from Flood Map Modernization into a new multi-year effort called Risk MAP (Mapping, Assessment, Planning). Likewise, as Georgia completes its countywide flood map modernization program, it too will be transitioning into Georgia M.A.P. Focus in Georgia M.A.P. will be more on updating flood maps on a watershed basis than countywide and the Georgia coastal areas will be updated with new, detailed studies as well. In addition, the State will be working with these communities and counties that get updated DFIRMs in how to better utilize this more current flood risk information, both in their mitigation planning process as well as their helping property owners better assess their personal flood risk so that they take appropriate action to reduce it.

- Get the newsletter: *The Index, Vol. 1*
- Get the newsletter: *The Index, Vol. 2*
- Get the newsletter: *The Index, Vol. 3*
- Get the newsletter: *The Index, Vol. 4*
- Additional Details

Georgia Flood Mapping, Assessing, and Planning (M.A.P.) Program

Georgia Coastal Project

Georgia Coastal Project

Updated Hydrology & Hydraulics

LiDAR Data

Incorporating local studies

Revised FIRM & FIS Study Reports

Non-Regulatory Flood Risk Products

Key Partners

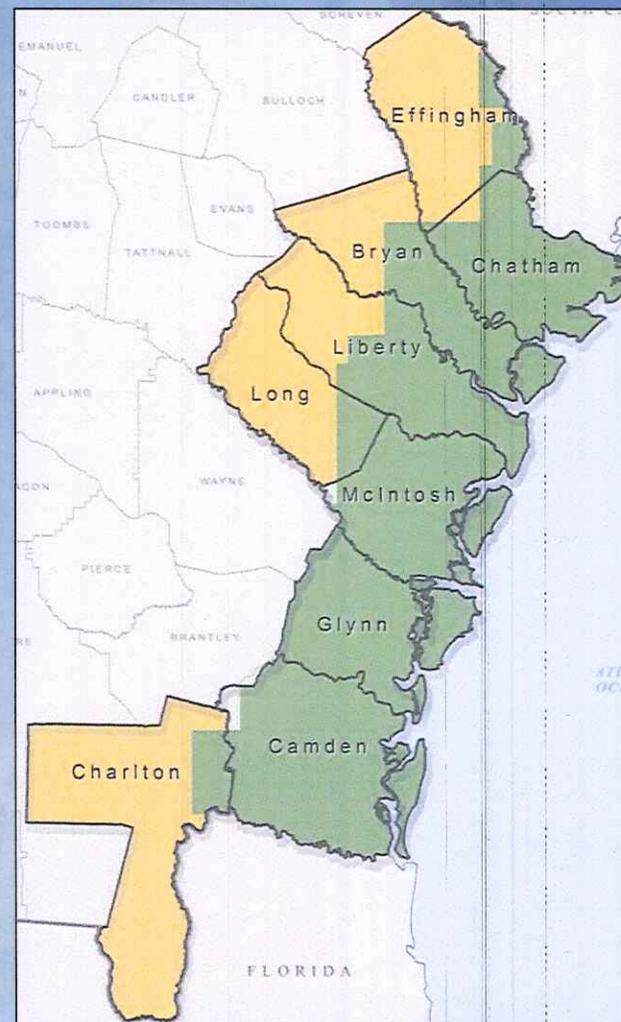
FEMA, GA DNR, GEMA, Local Governments

GA DNR Mapping Partners

- CDM Smith
- Dewberry
- Atkins

FEMA Mapping Partners

- Taylor Engineering



Georgia Flood M.A.P. Activities

Multi-Agency Coordination

Increased Community

Engagement & Outreach

Developing Risk Products

Datasets

Website Enhancements



Project Meetings Held

Meeting	Date	Location
Multi-Agency Kickoff Meeting	November 8, 2010	Brunswick Historic City Hall, Brunswick, GA
Scoping Meeting	November 15, 2010	Brunswick Historic City Hall, Brunswick, GA
Project Kickoff Meeting	October 20, 2011	City Hall, Garden City, GA
Technical Update Meeting	April 8, 2013	Online Webinar
Storm Surge Analysis Update Meeting	May 8, 2014	Coastal College of Georgia

Project Milestones

PRELIMINARY PROCESSING

Inter-Agency
Coordination
Meeting

Scoping
Meeting

Community
Project Kick-
off Meeting

Survey &
H&H
Modeling

Draft Map
Review
Meetings

NOV 2010

NOV 2010

OCT 2011

FALL 2013

TODAY

POST PRELIMINARY PROCESSING

Preliminary
FIRMs & FIS

90-Day Appeal
Period

FEMA & GA
DNR resolve
appeals &
protests

FEMA issues
Letter of Final
Determination

Resilience
Meeting

Six Month
Compliance
Period
(Ordinance
Updates)

Final
FIRM

NOV 2015

SPRING 2016

SPRING 2016

SUMMER 2016

SUMMER 2016

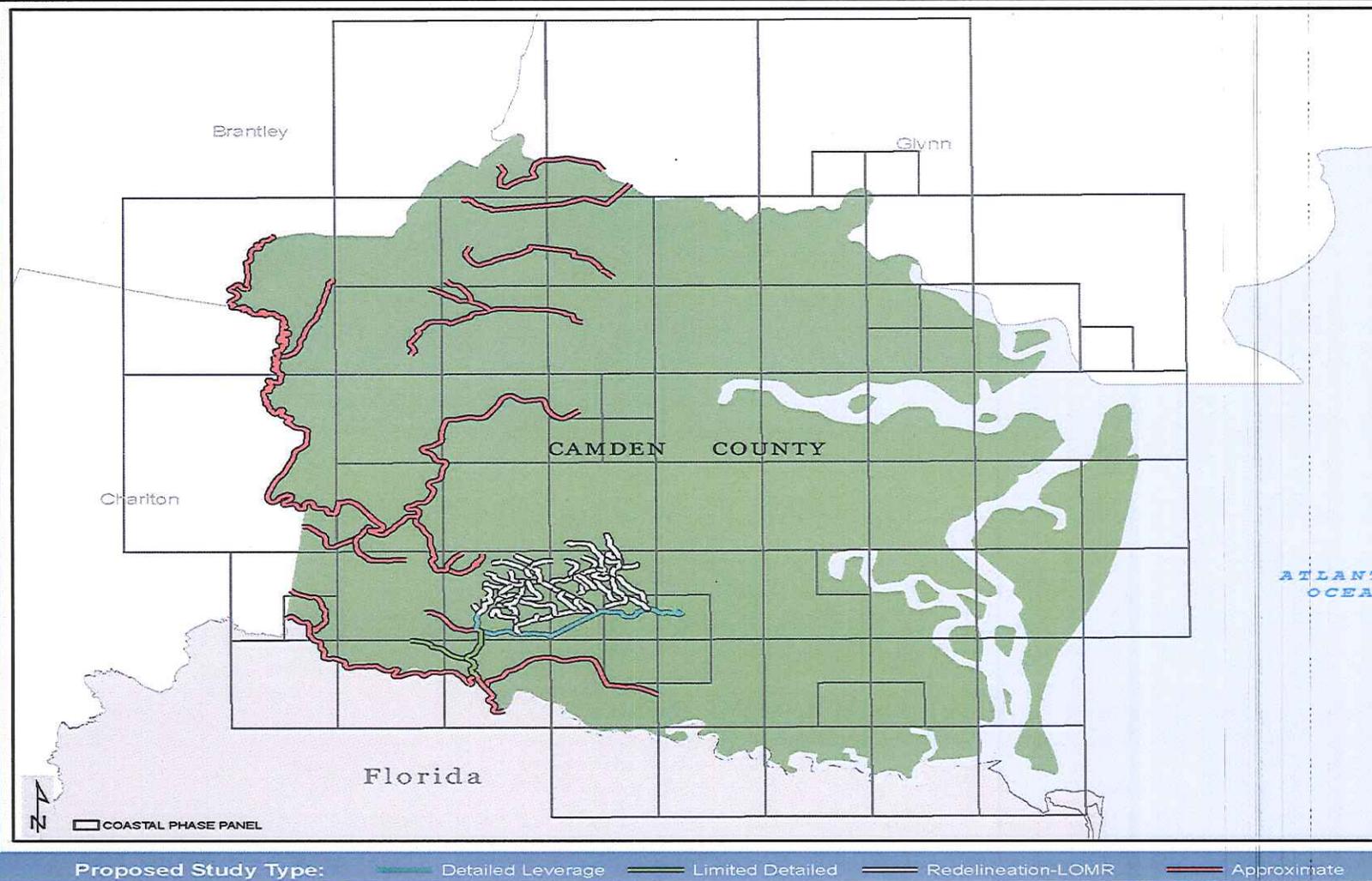
FALL 2016

FALL 2016

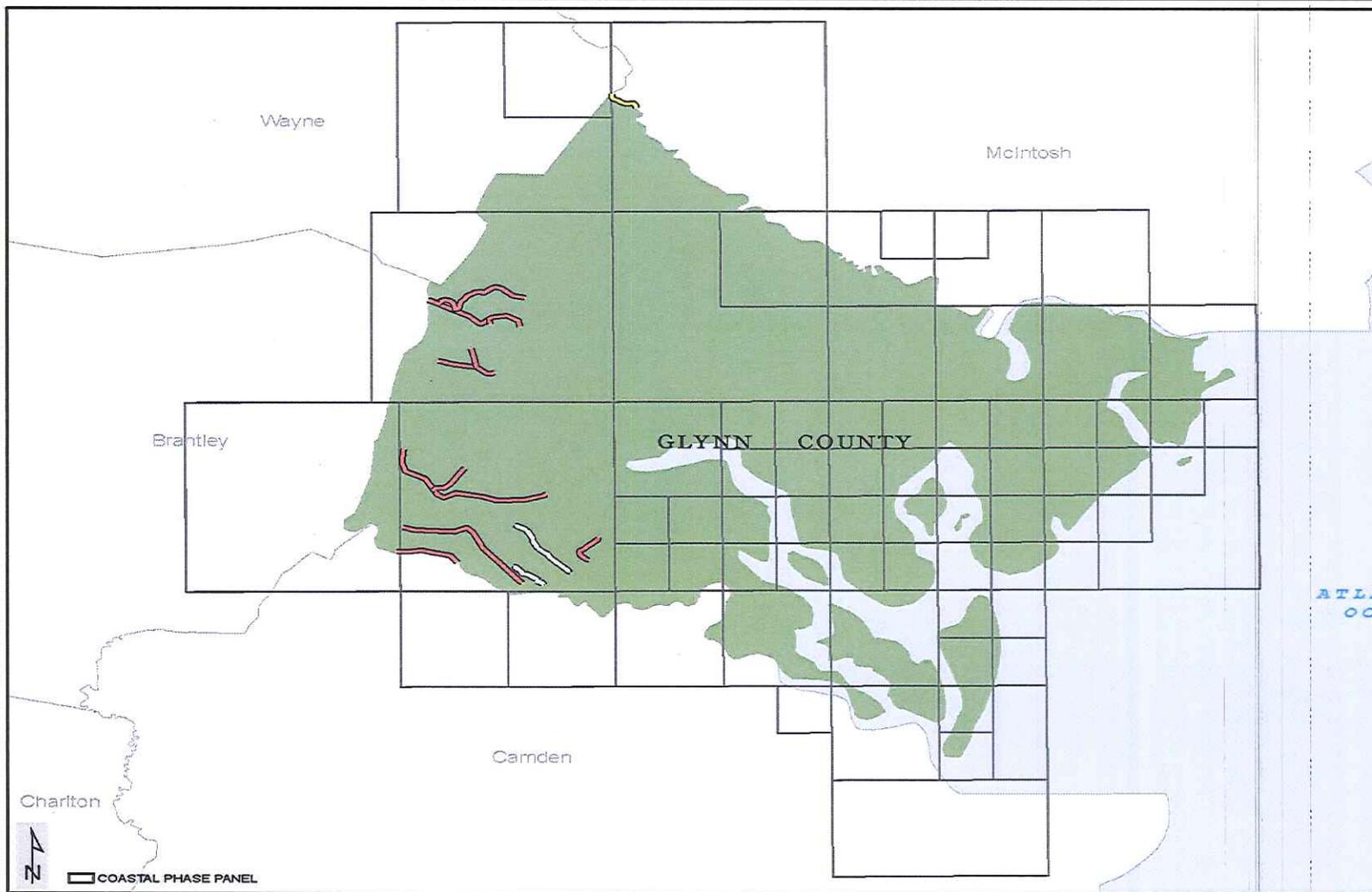
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★ ≡ COMMUNITY MEETING

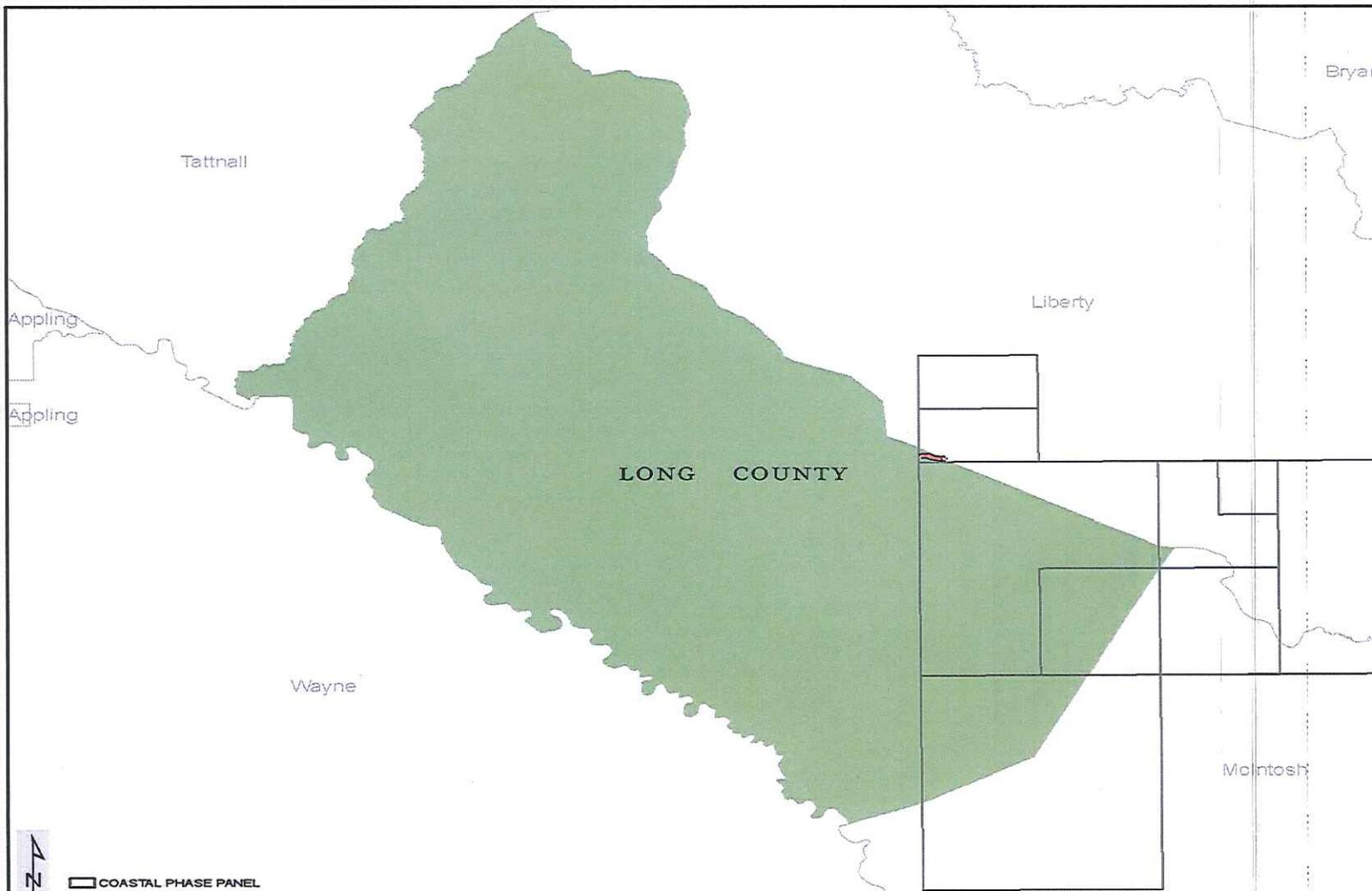
Camden County Scope of Work



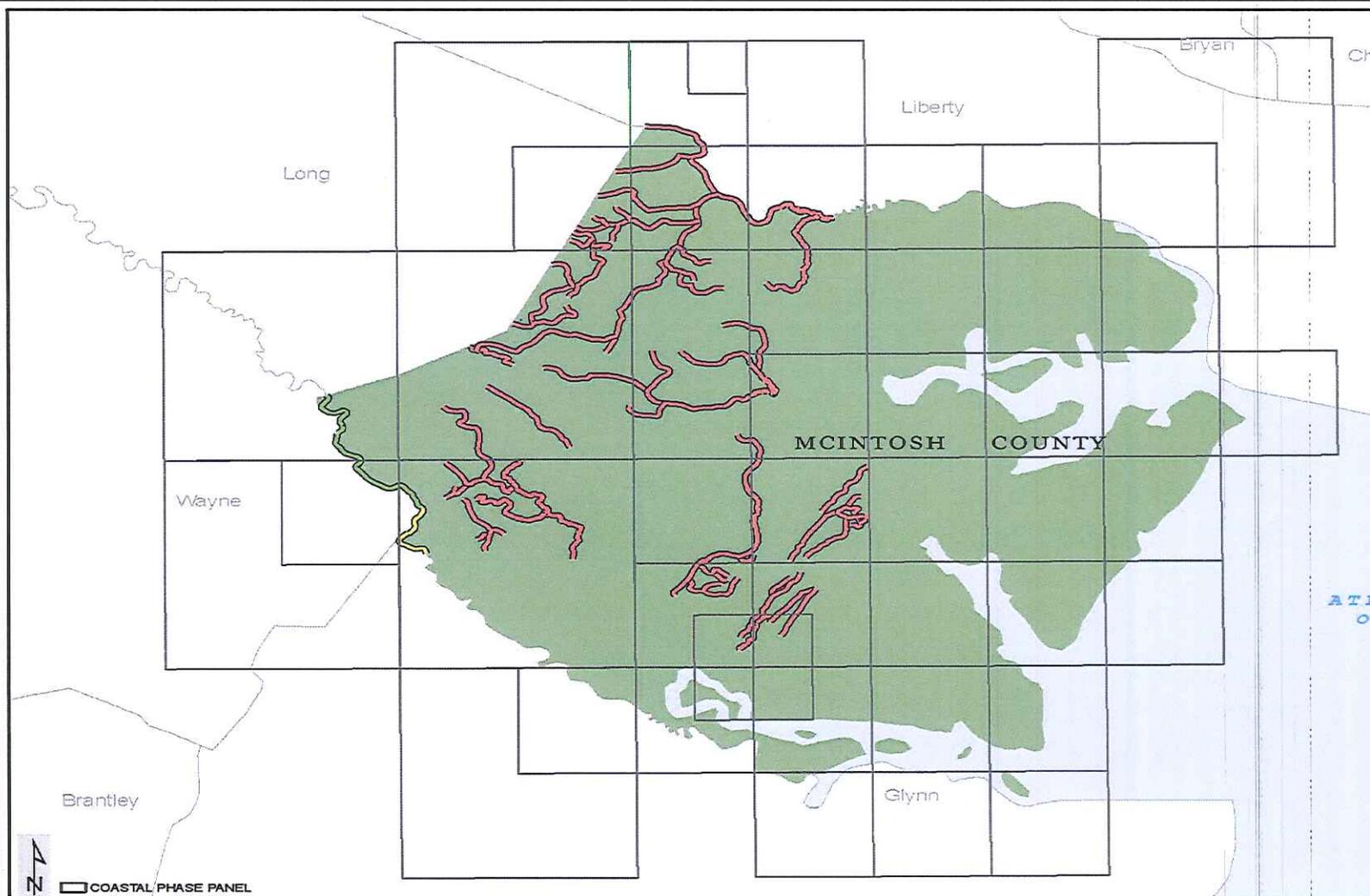
Glynn County Scope of Work



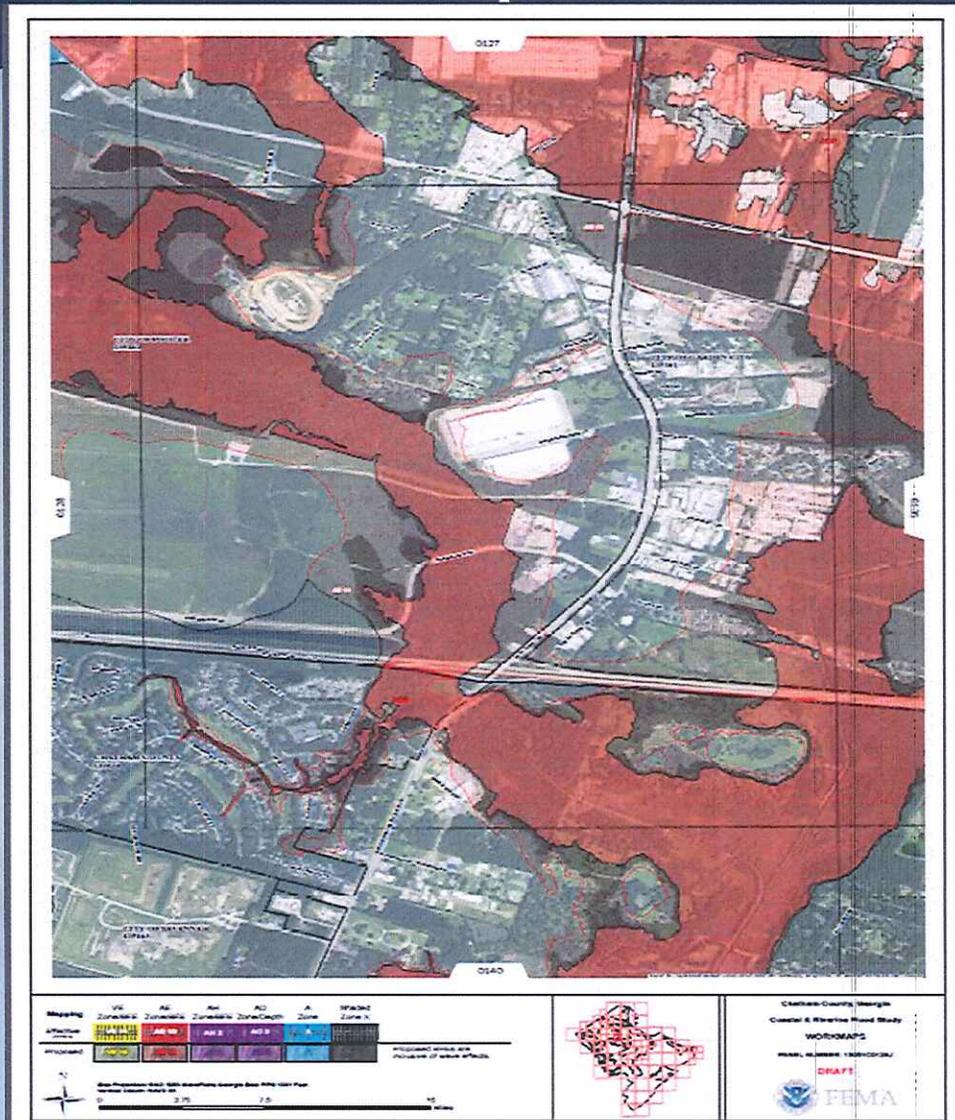
Long County Scope of Work



McIntosh County Scope of Work



Draft Work Maps



Mapping	VC Zone VC	AE Zone AE	AW Zone AW	AD Zone AD	A Zone A	Zone X
Effect	Yellow	Red	Purple	Blue	Green	Black
Impact	Low	High	Medium	Low	Low	High

IMPACTS ARE THE
RESULT OF SEVERE EFFECTS

Mapping	VC Zone VC	AE Zone AE	AW Zone AW	AD Zone AD	A Zone A	Zone X
Effect	Yellow	Red	Purple	Blue	Green	Black
Impact	Low	High	Medium	Low	Low	High

IMPACTS ARE THE
RESULT OF SEVERE EFFECTS



Clayton County, Georgia
Coastal & Wetland Flood Study
WORKMAPS
Map, Update 1/20/2014
DRAFT
FEMA

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Risk Communication

GA DNR Flood M.A.P. Website

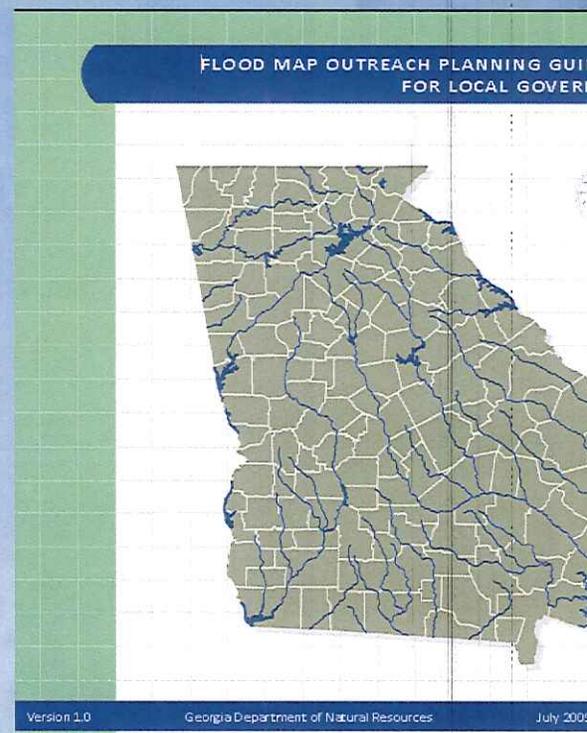
Risk MAP Products

E-Newsletter to help keep stakeholders informed

Contact Database

Georgia DNR Outreach Planning Guidebook

- Sample notification letters
- Informational brochures/fact sheets
- Phased suggested outreach schedule



Planning for Mitigation

- Community Hazard Mitigation Plan
- Mitigation Funding Resource Guide
- Types of Mitigation
 - Prevention
 - Structural Projects
 - Property Protection
 - Education and Awareness
- GEMA
 - <http://gema.ga.gov/>
- Resilience Meeting

Project Next Steps

October 2015

- Preliminary products distributed to affected communities

November 2015

- Preliminary DFIRM Community Coordination Meeting
- Flood Risk Open House

Spring 2016

- 90-Day Appeal Period

Summer - Fall 2016

- 6-month Compliance Period

Fall 2016

- Effective Products
- New Flood Insurance/Updated Flood Elevation requirements for permitting take effect

Post-Preliminary Process: Community Roles & Responsibilities

Activity	Responsibility
30-day Review	Allows affected communities to review the preliminary FIRMs and Flood Insurance Study (FIS), identify any minor issues, and address revisions accordingly
Consultation Coordination Officers (CCO) meeting and Open House	Meeting organized by GA DNR with the local officials followed by a Flood Map Open House for the public to view the preliminary FIRMs. The Flood Map Open House will be announced in the community's local newspaper.
90-day public comment period (Appeals Period)	Allows citizens to appeal changes in flood zones, floodways and base flood elevations, based on scientific or technical issues.
Letter of Final Determination (LFD)	Stating the preliminary FIRM will become effective in six months. Community must adopt a compliant floodplain management ordinance by the maps' effective date.
Six-month compliance period	After the preceding steps are complete and the six-month compliance period ends, the FIRMs are considered effective maps and new building and flood insurance requirements become effective.

Risk Communication

Georgia DNR Flood M.A.P. Website

Risk MAP Products

E-Newsletter to help keep

stakeholders informed

Contact Database

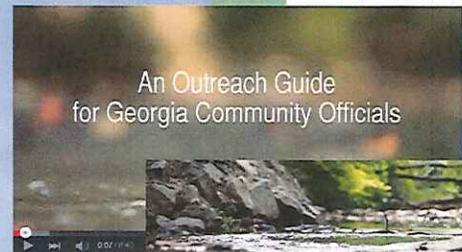
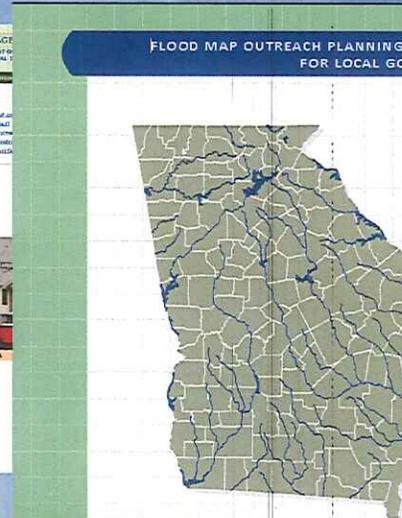
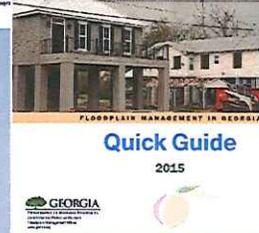
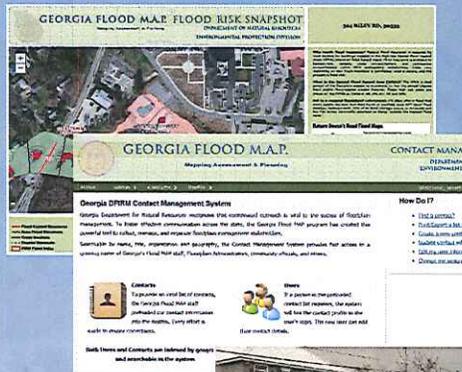
Georgia DNR Outreach Planning

Guidebook

- Sample notification letters
- Informational brochures/fact sheets
- Phased suggested outreach schedule

Educational Videos

- An Outreach Guide for Community Officials
- A Georgia Property Owner's Guide to Assessing Flood Risk



Outreach Guidebook & Video

Acronym and Abbreviation Table

Process Overviews

- Discovery
- Data Development
- Preliminary Development
- Post Preliminary Processes

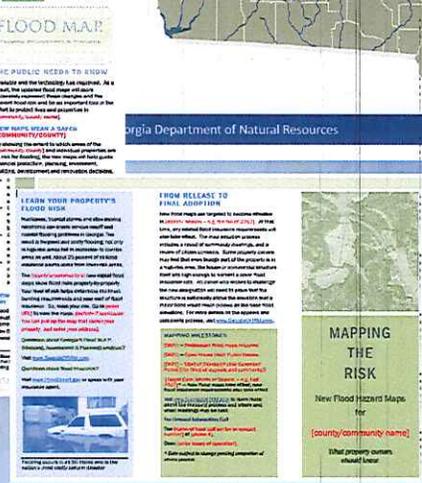
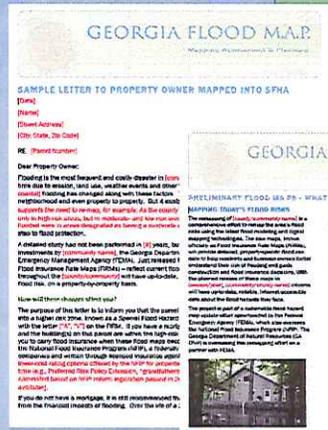
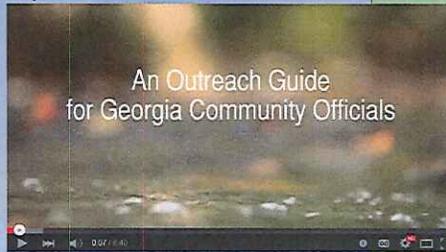
Resources

Outreach Materials & Templates

- Fact Sheets
- Public Talking Points
- Press Release Templates
- Sample Property Owner Letters
- Mapping Project Brochure Template
- Example Mapping Web Page



FLOOD MAP OUTREACH PLANNING GUIDE FOR LOCAL GOVERNMENT



Georgia Department of Natural Resources February 2012

Flood Risk Snapshot

GEORGIA FLOOD M.A.P. FLOOD RISK SNAPSHOT

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ENVIRONMENTAL PROTECTION DIVISION

324 RILEY RD, 30533



LEGEND WITH FLOOD ZONE DESIGNATIONS

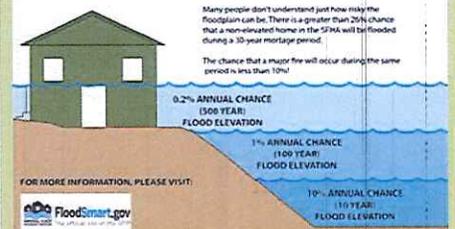
- Flood Control Structures
- Floodway Decrease
- 1% Flood - Floodway (High Risk)
- Floodway Increase
- 1% Flood - Zone AE (High Risk)
- Area Not Included
- Base Flood Elevations
- 100-Year Flood Zone Decrease
- 1% Flood - Zone A, AH, AO, or D (HighRisk)
- Letters of Map Revision
- Cross Sections
- 100-Year Flood Zone Increase
- 0.2% Flood - Shaded Zone X (Moderate Risk)
- Coastal Barrier Resource Area
- - - Coastal Transects
- Zone Change
- 1% Flood - Zone VE (HighRisk)
- FIRM Panel Index

Who needs flood insurance? Federal flood insurance is required by most lenders for buildings mapped in the high-risk Special Flood Hazard Areas (SFHA) shown on flood hazard maps. Flood insurance is available to homeowners, renters, condo owners/renters, and commercial owners/renters within NFIP participating communities. Costs vary depending on how much insurance is purchased, what it covers, and the property's flood risk.

What is the Special Flood Hazard Area (SFHA)? The SFHA is that portion of the floodplain subject to inundation by the 1% Annual Chance flood and/or flood-related erosion hazards. These high risk areas are shown on the FIRMs as Zones A, AE, AH, AO, AR and A99.

Not in a mapped floodplain? Unfortunately it's often after a flood that many people discover that their home or business does NOT cover flood damage. Approximately 25% of all flood damage occurs in moderate and low risk zones, commonly described as being "outside the mapped flood zone."

Nature Doesn't Read Flood Maps



FOR MORE INFORMATION, PLEASE VISIT:



Flood Risk Info

Panel ID:	13187C0163C
Current Flood Zone:	X
Proposed Flood Zone:	AE
Flood Zone Change Type:	SFHA Increase
Probability of Flooding over 30 yr Period:	N/A

Contact Management System

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CONTACT MANAGEMENT SYSTEM

DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Home Admin > Contacts > Profile >

Welcome, jmattli@dewberry.com [Logout]

Georgia DFIRM Contact Management System

The Georgia Department for Natural Resources recognizes that coordinated outreach is vital to the success of floodplain management. To foster effective communication across the state, the Georgia Flood MAP program has created this powerful tool to collect, manage, and organize floodplain management stakeholders.

Searchable by name, title, organization and geography, the Contact Management System provides fast access to a growing roster of Georgia's Flood MAP staff, Floodplain Administrators, community officials, and others.

How Do I?

- [Find a contact?](#)
- [Print/Export a list of contacts?](#)
- [Create a new contact?](#)
- [Update contact information?](#)
- [Edit my user information?](#)
- [Change my assigned Geography?](#)

Contacts

To provide an initial list of contacts, the Georgia Flood MAP staff preloaded our contact information into the system. Every effort is made to ensure correctness.



Users

their contact details.

If a person in the preloaded contact list registers, the system will link the contact profile to the user's login. The new user can edit

Both Users and Contacts are indexed by geography and searchable in the system

<http://cms.georgiadfirm.com>

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Community Point of Contact Review

Map Repository

CEO

Floodplain Administrator

City Hall
465 Riley Road
Dahlonega, GA 30533

Mayor Gary McCullough
465 Riley Road
Dahlonega, GA 30533

Chris Head
Planning & Zoning Administrator
465 Riley Road
Dahlonega, GA 30533

County Courthouse
Attn: Planning
99 Courthouse Hill
Dahlonega, GA 30533

Chairman Chris Dockery
Board of Commissioners
99 Courthouse Hill, Suite H
Dahlonega, GA 30533

Larry Reiter
Director of Planning & Public Works
25 Short Street, Suite 10
Dahlonega, GA 30533

Contacts

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**GA DNR Project Manager
Todd Harris, PMP, CFM**

Todd.Harris@dnr.ga.gov
404-651-8504

**Mapping Project Manager
Onur Celik, P.E., CFM**

CelikO@cdmsmith.com
312-780-7741

Breakout Sessions

